

State of Alaska
Department of Natural Resources
Division of Forestry & Fire Protection



Coastal Region—Southeast Area Office
Draft Forest Land Use Plan

Edna Bay Parlay Three Timber Sale
SSE-1342-3

February 2025

Abbreviations

ADEC	Alaska Department of Environmental Conservation
ADF&G	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
BIF	Best interest finding
DMLW	Division of Mining, Land and Water
DOF	Division of Forestry & Fire Protection
FLUP	Forest Land Use Plan
FRPA	Alaska Forest Resources and Practices Act
FYSTS	Five-Year Schedule of Timber Sales
MBF	Thousand board feet
OHA	Office of History and Archeology
POG	Productive old growth
POW	Prince of Wales
POWIAP	Prince of Wales Island Area Plan
ROW	Right-of-way
SESF	Southeast State Forest
SESFMP	Southeast State Forest Management Plan
UA	University of Alaska
USFS	United States Forest Service

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I. Introduction

Project File Number: SSE-1342-3

Division of Forestry & Fire Protection Office: Southeast
Area Forester: Greg Staunton
Forest Practices Geographic Region (AS 41.17.950): Region I

This Draft Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 114 acres of land on Kosciusko Island, approximately 2 miles southwest of the Community of Edna Bay. It is intended to provide the best available information regarding the proposed harvest of timber, and management of other non-timber uses in compliance with AS 38.05.112 and AS 41.17.060, and must be adopted by the DNR before the proposed activity can occur.

This [Draft] Forest Land Use Plan is for timber sale(s) which have been determined to be in the best interest of the state pursuant to AS 38.05.035 (e) and AS 38.05.945; Best Interest Finding and Decision For Edna Bay Parlay Timber Sale, SSE-1342-K adopted on March 9, 2017 available at:

<https://aws.state.ak.us/OnlinePublicNotices/Notices/View.aspx?id=184901>

This FLUP does not determine whether or not to access and sell timber within the timber sale area, nor the method of sale. Those decisions have been made previously in the March 9, 2017 Best Interest Finding and are not appealable under this FLUP.

A draft of this plan was distributed to the Alaska Department of Fish & Game (ADF&G) and the Department of Environmental Conservation (DEC) for their review and comments relevant to the consistency of this proposed project with the statutes governing forest land use plans (AS 38.05.112) and the requirements of the Alaska Forest Resources & Practices Act (AS 41.17) and its Regulations (11 AAC 95).

The public and agencies are invited to comment on specific requirements for harvest, access, and reforestation operations in this draft FLUP. The decision on whether or not to offer timber for sale is made through the best interest finding process, and is not subject to review under the FLUP. Objections or comments pertaining to the draft FLUP must be received in writing by the DOF Southeast Area Office by **March 07, 2025** in order to ensure consideration for review. Comments should be mailed to the State of Alaska, Division of Forestry & Fire Protection, 2417 Tongass Avenue, Suite 213, Ketchikan, Alaska 99901 or by email to dnr.dof.sse@alaska.gov. For more information you may contact the Area Forester at the above addresses or at (907) 225-3070. To be eligible to participate in any appeal or request for reconsideration of the final decision, a person must be affected by the decision, and must have submitted comment on the draft FLUP during the comment period.

After public and agency review of the draft FLUP, the DOF will review comments, make changes as appropriate, and adopt the FLUP. An eligible person affected by this decision, and who

provided timely written comment or public hearing testimony to the department, may appeal the decision to the DNR Commissioner per AS 44.37.011 and 11 AAC 02.

Other Documents are referenced in this FLUP. This timber sale is designed to be consistent with the management intent of the following documents:

Alaska Forest Resources & Practices Act
Prince of Wales Island Area Plan
Southeast State Forest Management Plan
Edna Bay Parlay Timber Sale Final Best Interest Finding, SSE-1342-K

The administrative record for this sale is maintained at the Division of Forestry & Fire Protection Southeast Area Office filed as Edna Bay Parlay Timber Sale, SSE-1342 K. A FLUP was previously adopted covering the eastern old growth portion of the sale area and is labeled Edna Bay Parlay One; it was sold and has been harvested. The Edna Bay Parlay Two Timber Sale, SSE-1342-2 K covers the young growth portion of the sale area in the center; it has been sold and harvested. The Edna Bay Parlay Three Timber Sale, SSE-1342-3 K would include the mixed age timber in the southern end of the SESF parcel adjacent to Parlay Two and University of Alaska (UA) ownership.

A. Legal description

The timber sale area is found within Sections 1 and 2 of Township 69 South, Range 76 East in the Copper River Meridian. (See attached maps titled Appendix A1 and A2, SSE-1342-3 Edna Bay Parlay #3 Timber Sale Maps).

B. Operational Period

Calendar years 2025 to 2026.

C. Timber Disposal

- Timber will be sold and will have a contract administrated by the State.
- Timber will be available to the public; permits obtained by the public will be issued by the State.
- Other

Objectives and Summary

1. To follow the Division of Natural Resources' (DNR or Division) constitutional mandate to encourage the development of the State's renewable resources, making them available for maximum use consistent with the public interest,
2. To help the State's economy by providing royalties to the State in the form of Stumpage receipts, an infusion to the State's economy through wages, purchases, jobs, and business and
3. To help the local economy of the communities within southern Southeast Alaska by creating additional jobs in Southeast Alaska due to the combination of road building, logging, trucking and potentially milling.

II. Affected Land Owners/Jurisdictions

A. State

Activity on ownership:	Access Easement	Harvest	Written Representative Approval
<input checked="" type="checkbox"/> Southeast State Forest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Other state land managed by DNR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> University of Alaska	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Mental Health Trust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> School Trust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. Other Land Ownership

Land Owner:

Land Owner Representative:

III. Harvest Methods, Silvicultural Actions, and Management of Non-timber Resources

Forest operations will be designed to:

- Protect fish habitat and water quality in compliance with the best management practices in 11 AAC 95.260-.370,
- Manage for the other land uses and activities identified in AS 41.17.060 and the Best Interest Finding for this timber sale, and

- Ensure prompt reforestation and maintenance of site productivity in compliance with AS 41.17.060(c) and 11 AAC 95 .375-.390.

Harvest and Silvicultural Methods:

- The silvicultural actions are described in this document, and no prescription was written or is necessary.
- A silvicultural prescription has been written and is attached to this document in Appendix B.

A. Timber Stand Description and History

The harvest unit is primarily a mix of young growth hemlock-spruce and old growth residual hemlock. Portions of the unit were selectively logged for Sitka spruce during World War II in the 1940’s. The older decadent western hemlock is exhibiting signs of defect related to fruiting bodies/conks and wind damage. A very small component of old growth Sitka Spruce of similar condition was noted with broken tops, windthrow, and frost cracks. The young growth hemlock-spruce appears to be vigorous and lacking any apparent defect with much of the unit composed of pole timber with some sawtimber throughout.

B. Timber Harvest Activities

Timber Harvest Activities are displayed in Table 1.

Table 1. Timber Harvest Activities

Unit ID	Acres	Topography	Silvicultural Action	Logging Method
1	114	Irregular Slopes	Even-aged Management utilizing the clearcut system	Ground Based (Shovel) Logging

C. Site Preparation

- Site preparation will not be necessary. There is either sufficient residual stocking, or because there has been sufficient soil disturbance by logging to forego scarification.
- Site preparation will be implemented and described in Table 2:

Table 2. Site Preparation

Unit ID	Acres	Site Preparation Method	Date of Completion
--	--	Not Applicable	--

D. Slash Abatement

- Potential for insect infestations caused by slash accumulations exists. Slash abatement for controlling infestations will be implemented as required by 11 AAC 95.370.

- Scatter slash; accumulations will be kept to less than 2 feet in height.
- Slash will be disposed of by the operator Slash will be disposed of by the State
- Other - method of slash disposal: removal off site crushing or grinding burning
- Burn permits necessary from DOF and DEC to be acquired.
- The operator will contact the DOF local area office prior to ignition of debris.

Notes:

1. Slash is desired to be distributed in the unit. At the discretion of the DOF, slash accumulated at the landing areas associated with whole tree yarding may be piled by the operator a workman like manner minimizing the pile's footprint.
2. Utility logs and short saw logs not meeting merchantable sawlog standards of the contract shall be decked roadside in an orderly manner.

E. Soil Stability / Erosion / Mass Wasting

- Maximum percent side slopes are ≤50%
- Maximum percent side slopes are >50%

Percentage of sale area with slopes >50%: 1%

Maximum percent slopes: 55%

- There are no indicators of unstable areas.
- Indicators of unstable areas were identified and will be mitigated by actions indicated below.

F. Timber Harvest—Surface Water Protection

- There are no streams or lakes abutting or within a harvest unit.
- Known surface waters and protection measures are described in Table 3 below.

Table 3. Protection for Known Surface Waters

Unit	Waterbody Name	AS 41.17.950 Classification	ADF&G AWC #	Required Riparian Protection	Site-specific actions to minimize impacts on riparian area
--	--	--	--	--	--

Surface waters listed above were reviewed by the Department of Fish and Game:

- During the timber sale planning process
- During the agency review conducted for the Best Interest Finding for this sale
- During the drafting of this Forest Land Use Plan
- Stream Crossings (Title 16) Permits are needed per ADF&G Division of Habitat

Surface waters listed above were reviewed by the Department of Environmental Conservation:

- During the timber sale planning process

- During the agency review conducted for the Best Interest Finding for this sale
- During the drafting of this Forest Land Use Plan

Non-classified surface waters are subject to applicable BMPs in 11 AAC 95.

Notes: Topography is associated with karst bedrock; very little standing water was observed in the unit.

G. Wildlife Habitat

- Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the Best Interest Finding review.
- Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the drafting of this Forest Land Use Plan.

Silvicultural practices to be applied to minimize impacts to wildlife habitat or wildlife management:

- Timber retention - concentrations of timber surrounding harvest units, or interspersed within harvest units to provide cover.
- Snag Retention- snags or isolated trees left for cavity nesting species.
- Large Woody Debris – concentrations of downed timber or logging debris interspersed within harvest units to provide cover left on site.
- Other actions

H. Cultural and Historical Resource Protection

- This project was reviewed by the State Historic and Preservation Office (SHPO).
- No artifacts have been reported within the project area(s).
- Known or likely sites have been identified and a mitigation plan is in place. (Describe the mitigation actions.)

I. Other Resources Affected by Timber Harvest and Management

- There are other resources and areas of concern besides surface water, fish habitat, and wildlife habitat that may be affected. Mitigations actions were addressed in the Best Interest Finding.
- There are no affected resources or areas of concern other than surface water, fish habitat, and wildlife habitat, which are addressed in this Forest Land Use Plan.

Table 4. Other Affected Resources / Areas of Concern

Impacted Resource	Reviewing Agency	Impact/ Mitigation Actions
Karst Geology	DOF	Changes in subsurface sediment loading/ site specific protection.

Karst Notes:

1. The entire timber sale area exhibited topography that can be described as karst. Karst topography are areas of bedrock limestone that have been eroded by dissolution forming ridges, fissures, and underground drainage systems with caves and sinkholes. In general, bedrock limestone was visible in most areas of the proposed harvest; notably visible under overturned stumps in areas of wind throw and topographic breaks. Soils are generally shallow, and the stands of timber have significant evidence of wind throw dispersed throughout the area indicating shallow but well drained soils. Timber consequently is varied in age, size, and quality due to the relatively high natural turnover rate.
2. Karst solution sinkholes were identified throughout the unit particularly in the north.
3. Logging activities will avoid disturbing karst features. Trees will be felled away from and care will be taken to minimize soil, slash and debris from entering karst drainage features. Soil disturbance surrounding karst features will be minimized through retaining stumps and existing debris in place within tree length of these areas to minimize erosion of fines into the karst features.

J. Reforestation

Harvest type as it relates to reforestation requirement:

- Clearcut (Even-Aged Management)
- Region I: Partial Harvest leaving more than 50% live basal area (11 AAC 95.375(b)(3))
- Region II or III: Partial Harvest relying on residual trees to result in a stocking level that meets standards of 11 AAC 95.375(b)(4).

Season of harvest:

- Winter harvest only
- Non-winter harvest only
- All-season harvest

Regeneration type:

- Natural regeneration

List species: Western hemlock (*Tsuga heterophylla*), Sitka Spruce (*Picea sitchensis*), western redcedar (*Thuja plicata*).

- Coppice
- Artificial regeneration
- Seeding: Species and source of seed (general vicinity location of seed source)

- Planting: Species: _____ Date of proposed planting: _____

Source of seedlings (location of seed source): _____

IV. Roads and Crossing Structures

A. Road Design, Construction, Reconditioning, and Maintenance

Roads will be designed, constructed, and maintained to prevent significant adverse impacts on water quality and fish habitat (AS 41.17.060(b)(5)), and site productivity (AS 41.17.060(c)(5)). Roads will comply with the best management practices in the Forest Resources and Practices Regulations (11 AAC 95.285 – 95.335).

Roads or other means required for the access and removal of this timber from the harvest area(s) or unit(s) are listed in Table 5A and 5B.

Table 5A. Road Reconstruction or Recondition and Use

Road ID	Harvest Unit	Mile **	Road Class	Maximum Grade %*	Constructed By	Maintained By
1520200 to DNR Log Transfer Facility (LTF)	1	4.24	Primary	12	Existing	Purchaser
1520201	1	0.39	Spur	12	Existing	Purchaser
Total		4.63				

Table 5B. New Road Construction and Use

Road ID	Harvest Unit	Mile **	Road Class	Maximum Grade %	Constructed By	Maintained By
1520200-105	1	0.22	Spur	12	Purchaser	Purchaser
1520201	1	0.40	Spur	12	Purchaser	Purchaser
Total		0.62				

*Road Class is as defined in the DOF Road Standards. *Note: Roads must be less than 20% grade per 8 AAC 61.1060 Additional Logging Standards. ** One station equals 100 feet. One mile equals 5,280 feet.*

B. Soil Erosion / Mass Wasting

Maximum percent side slopes: 35

- Maximum percent side slopes are ≤50%
- Maximum percent side slopes are >50%
 - There are no indicators of unstable areas where roads will be constructed.
 - Indicators of unstable areas were identified and will be mitigated by actions indicated below:

Table 6. Road Erosion Control Risk and Mitigation

Road ID	Segment	Mile/ Station or Point Label	Identified Erosion Risk	Risk Level	Mitigation
All	--	--	None	Low	Standard FRPA Best Management Practices (BMPs)

General Timber Sale Erosion Control:

- Grass seeding and cross drains
- Erosion control mats
- Wattle
- Water bars
- Other: _____
- Not applicable

C. Crossing Structures

Are you removing or replacing drainage structures? YES NO

- No crossing structures are needed within the project area.
- Crossing structures will be placed in access roads as described in the table below:

Table 7. Required Drainage and Crossing Structures on Known Surface Waters

Road ID	Segment	Mile/ Station or Point Label	Bridge Length (ft.) or Culvert Diameter (in.)	Structure Type [ex. Corrugated Plastic Pipe, Log Stringer, Fabricated, Ice]	AS 41.17.950 Stream Classification	ADF&G AWC Number	Duration of crossing structure in place
--	--	--	--	--	--	--	--

D. Road Closure

Roads constructed for the timber sale that are left open will be subject to maintenance standards under 11 AAC 95. 315. Otherwise, roads constructed for the timber sale will be closed, subject to standards under 11 AAC 95.320.

Table 8. Road Closures

Road ID	Segment	Unit	Closure Type All Season/Winter	Estimated Closure Date	Projected Road Use after Timber Harvest
1520200	All	1	All Season	N/A	Silviculture, firewood
1520201	All	1	All Season	End of Harvest	Silviculture, firewood
1520200-105	All	1	All Season	End of Harvest	Silviculture, firewood

E. Material Extraction

- There will be no material extraction sites in the project area.
- Material extraction and associated overburden disposal will be located outside of riparian areas and muskegs. Material extraction and disposal will be located as shown on the operation map, in a manner that prevents runoff from entering surface waters.
- Other: Depending on suitable material availability, a rock pit will be developed for construction of the road. The development of a pit will be part of the timber purchaser’s operating plan prior to commencing operations and subject to DOF approval.

F. Other Resources Affected by Roads or Material Extraction

List resources other than water, habitat or cultural resources potentially impacted by road construction, and indicate how impacts will be mitigated. Other affected resources could be, but are not limited to mining claims, scenic areas, recreational trails, etc.

Table 9. Other Affected Resources

Impacted Resource	Reviewing Agency	Impact / Mitigation Actions
Karst	DOF	Karst features and subsurface drainage/ Pronounced features have been avoided, minimize road surface drainage concentrations and length of time the road is open to traffic.

V. Approvals

This Draft Forest Land Use Plan has been reviewed by the Division of Forestry & Fire Protection and provides the information necessary for public and agency review of the project described in this document.

Area Forester

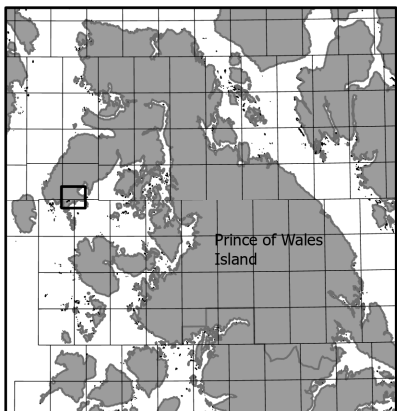
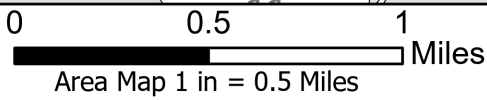
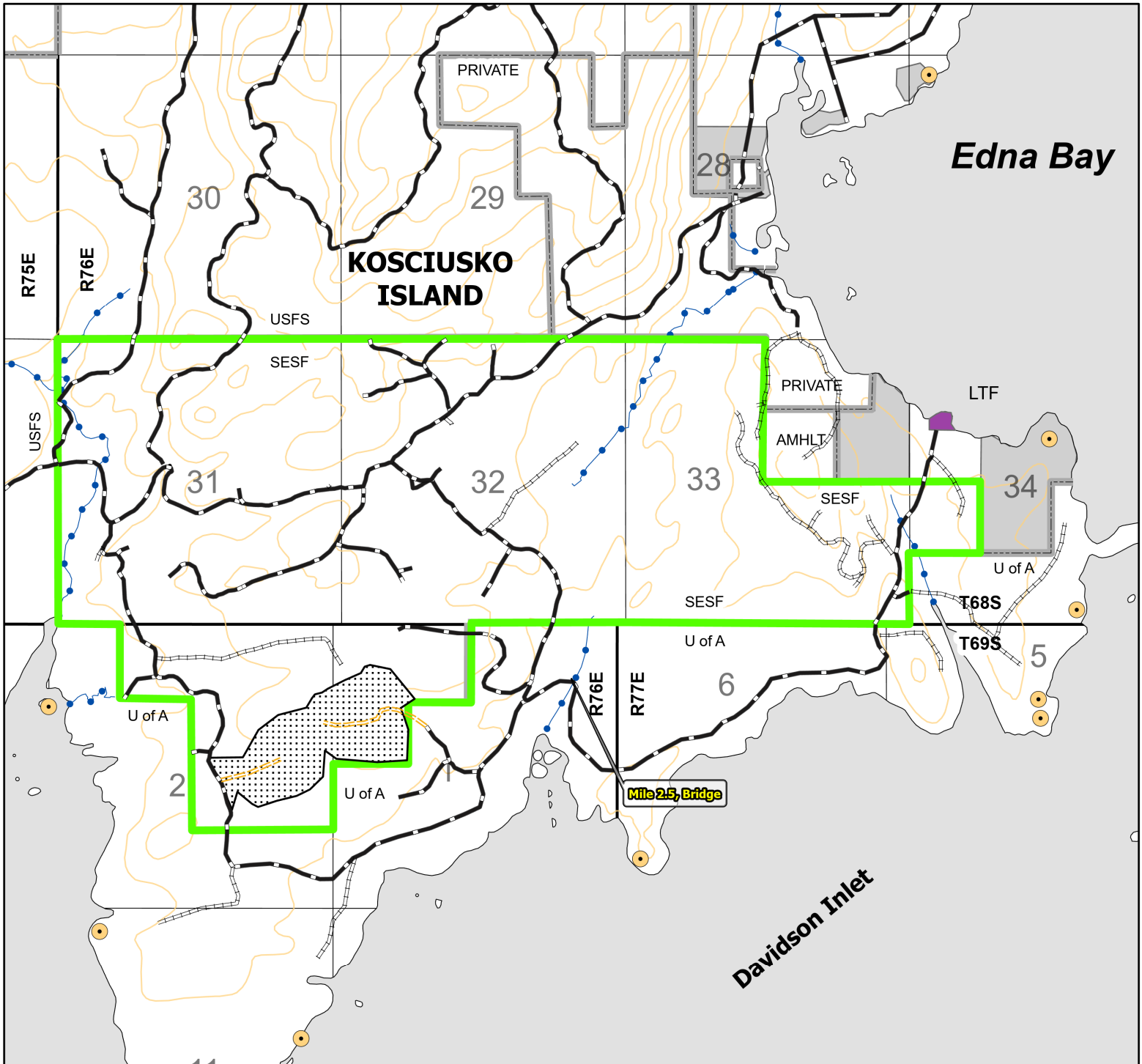
Date

VI. Appendices

Appendix A: Timber Sale Maps

Appendix A1 Edna Bay Parlay Three Area Map (1 page)

Appendix A2 Edna Bay Parlay Three Unit Map (1 page)



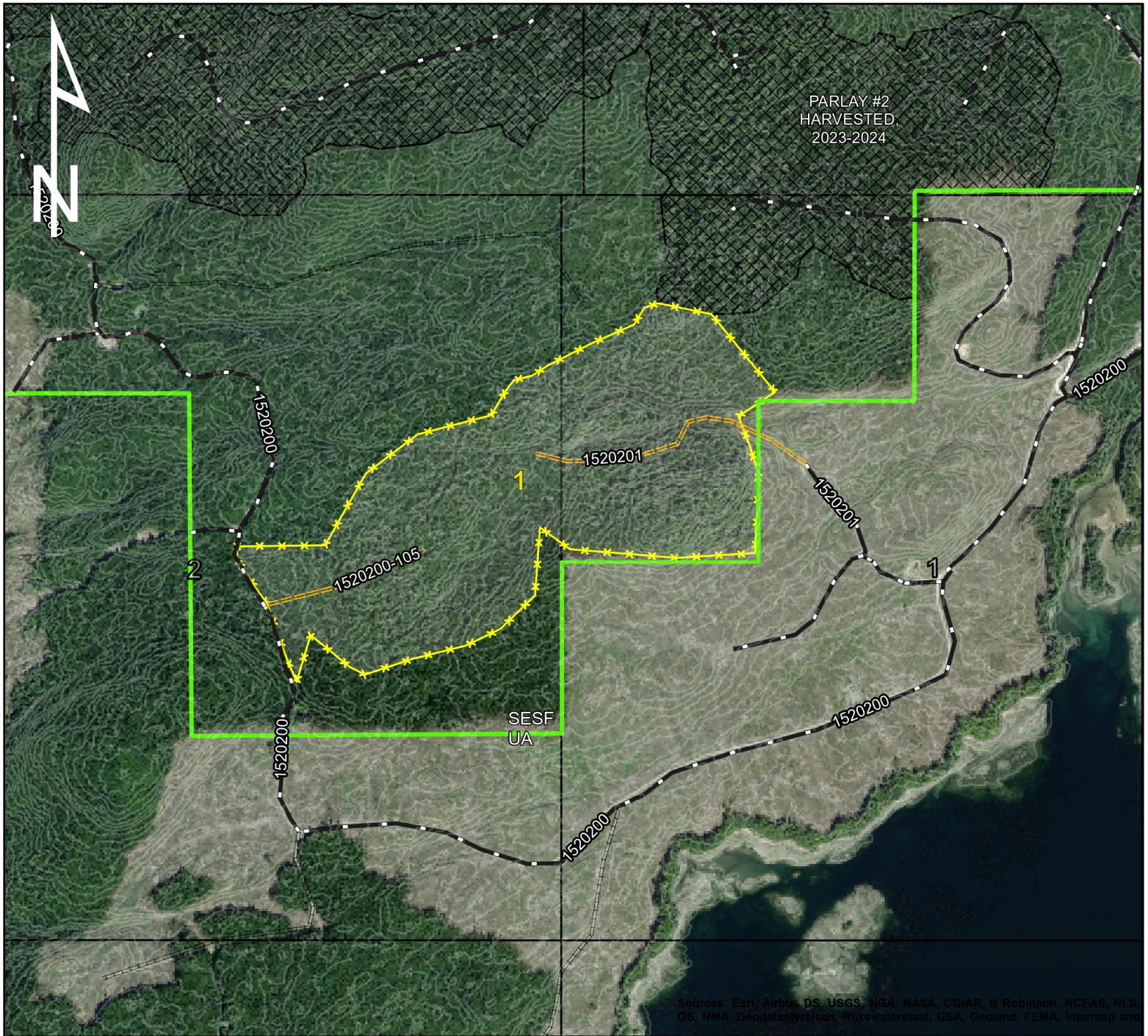
Vicinity Map 1 in = 32 miles

Legend

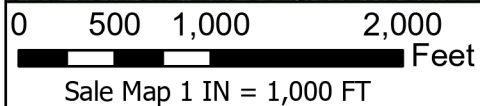
- Proposed Harvest Unit
- Southeast State Forest (SESF)
- Municipal
- Log Transfer Facility (LTF)
- Existing Road
- Closed Road
- Proposed Road
- Reconstruction
- Property Line
- Anadromous Stream
- Eagle Nest

APPENDIX A1
SSE-1342-3
EDNA BAY
PARLAY #3 TIMBER SALE
AREA MAP





Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and

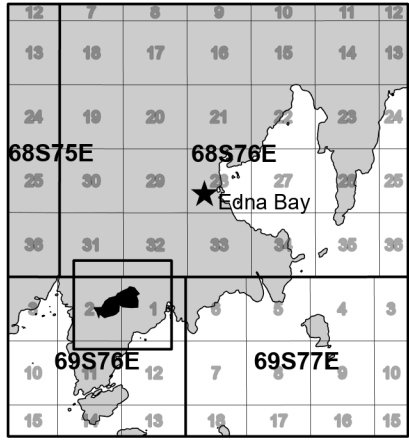


Contour Interval = 10 FT
Source: USFS LiDAR 2018

APPENDIX A2
SSE-1342-3
PARLAY #3 TIMBER SALE
UNIT MAP

Legend

- Proposed Harvest Unit
- Recent Timber Harvest
- Southeast State Forest (SESF)
- Existing Road
- Closed Road
- Proposed Road



Vicinity Map 1 IN = 3 miles

Appendix B: Supporting Information

Note: Silvicultural and stand information has been described in the previously published BIF.

Alaska Forest Practices and Regulations.

<http://forestry.alaska.gov/forestpractices>

Forest Road and Bridge Standards.

http://forestry.alaska.gov/Assets/uploads/DNRPublic/forestry/pdfs/resources/forest_road_standard_design_20151231.pdf

Appendix C: Public and Agency Comments and Responses [RESERVED]

***Appendix D. Appeal and Request for Reconsideration Regulations
[RESERVED]***